We claim:

1.   A flow meter monitoring system (100), comprising:

        a communication interface (101) configured to communicate with one or more flow meters and receive meter calibration values for a flow meter of the one or more flow meters;

5   and

        a processing system (102) in communication with the communication interface (101) and configured to receive the meter calibration values from the communication interface (101) and correlate the meter calibration values to known meter calibration values (114) in order to determine the flow meter type.

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2.   The flow meter monitoring system (100) of claim 1 with the meter calibration values comprising a Flow Calibration Factor (FCF).

3.   The flow meter monitoring system (100) of claim 1 with the meter calibration values

15   comprising a quiescent harmonic frequency (K1) value.

4.   The flow meter monitoring system (100) of claim 1 with the known meter calibration values (114) comprising a data structure that links a specific flow meter type to a specific set of meter calibration values.

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5.   The flow meter monitoring system (100) of claim 1 with the processing system (102) being further configured to store the determined flow meter type in a data structure along with a flow meter identifier of the flow meter.

25   6.   The flow meter monitoring system (100) of claim 1 wherein the meter calibration values for the flow meter are received from a flow meter.

7.   The flow meter monitoring system (100) of claim 1 wherein the meter calibration values for the flow meter are received through a user interface (130).

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8.   The flow meter monitoring system (100) of claim 1 with the flow meter type comprising a Coriolis flow meter type.

9.   The flow meter monitoring system (100) of claim 1 wherein the flow meter monitoring system comprises a flow meter component.

10.   A flow meter type identification method for determining a flow meter type of a flow meter, comprising:

receiving meter calibration values for the flow meter; and

correlating the meter calibration values to known meter calibration values (114) in order to determine the flow meter type.

11.   The method of claim 10 with the meter calibration values comprising a Flow Calibration Factor (FCF).

12.   The method of claim 10 with the meter calibration values comprising a quiescent harmonic frequency (K1) value.

13.   The method of claim 10 with the known meter calibration values (114) comprising a data structure that links a specific flow meter type to a specific set of meter calibration values.

14.   The method of claim 10 further comprising storing the determined flow meter type in a data structure along with a flow meter identifier of the flow meter.

15.   The method of claim 10 wherein the meter calibration values for the flow meter are received from the flow meter.

16.   The method of claim 10 wherein the meter calibration values for the flow meter are received through a user interface (130).

17.   The method of claim 10 with the correlating occurring in a flow meter monitoring system (100).

18.   The method of claim 10 with the flow meter type comprising a Coriolis flow meter type.

19.   The method of claim 10 wherein the flow meter monitoring system comprises a flow meter component.

20.   A software product for determining a flow meter type of a flow meter, comprising:

5   a control software configured to direct a processing system to receive meter calibration values for the flow meter and correlate the meter calibration values to known meter calibration values (114) in order to determine the flow meter type; and

        a storage system that stores the control software.

10   21.   The software product of claim 20 with the meter calibration values comprising a Flow Calibration Factor (FCF).

22.   The software product of claim 20 with the meter calibration values comprising a quiescent harmonic frequency (K1) value.

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23.   The software product of claim 20 with the known meter calibration values (114) comprising a data structure that links a specific flow meter type to a specific set of meter calibration values.

20   24.   The software product of claim 20 further comprising storing the determined flow meter type in a data structure along with a flow meter identifier of the flow meter.

25.   The software product of claim 20 wherein the meter calibration values for the flow meter are received from the flow meter.

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26.   The software product of claim 20 wherein the meter calibration values for the flow meter are received through a user interface (130).

27.   The software product of claim 20 with the correlating occurring in a flow meter

30   monitoring system (100).

28.   The software product of claim 20 with the flow meter type comprising a Coriolis flow meter type.

29.   The software product of claim 20 wherein the flow meter monitoring system comprises a flow meter component.